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CLAIMS:

1. A screening method for identifying a methoxyphosphonate nucleotide analogue prodrug conferring enhanced activity in a target tissue comprising:

(a) providing at least one of said prodrugs;

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(b) selecting at least one therapeutic target tissue and at least one non-target tissue;

(c) administering the prodrug to the target tissue and to said at least one non-target tissue; and

(d) determining the relative activity conferred by the prodrug in the

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tissues in step (c).